



## PATENT APPLICATION

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q79028

David SHAFER, et al.

Allowed: July 27, 2005

Appn. No.: 10/734,623

Group Art Unit: 2873

Confirmation No.: 2006

Examiner: William C. CHOI

Filed: December 15, 2003

For: CATADIOPTRIC PROJECTION OBJECTIVE WITH GEOMETRIC BEAM  
SPLITTING

### SUBMISSION OF REPLACEMENT DRAWINGS

#### MAIL STOP ISSUE FEE

#### ATTN: OFFICIAL DRAFTSPERSON

Commissioner for Patents

P.O. Box 1450

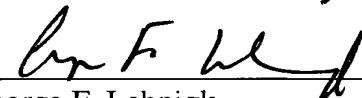
Alexandria, VA 22313-1450

Sir:

Submitted herewith please find thirteen (13) sheets of replacement drawings in compliance with 37 C.F.R. § 1.84 and correcting matters raised in the Notice of Draftsperson's Patent Drawing Review (Form PTO-948) dated March 21, 2005. The Examiner is respectfully requested to acknowledge receipt of these drawings.

The submitted drawings are intended to replace the drawings previously submitted on December 15, 2003.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

GFL/plr

Date: October 26, 2005

**COPY**

**NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW**

The drawing(s) filed (insert date) 10/19/04 are:

A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. **DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).  
— Color drawings are not acceptable until petition is granted. Fig(s).  
— Pencil and non black ink not permitted. Fig(s).  
2. **PHOTOGRAPHS.** 37 CFR 1.84(b)  
— One (1) full-tone set is required. Fig(s).  
— Photographs may not be mounted. 37 CFR 1.84(e)  
— Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s).  
— Poor quality (half-tone). Fig(s).  
3. **TYPE OF PAPER.** 37 CFR 1.84(e)  
— Paper not flexible, strong, white, and durable. Fig(s).  
— Erasures, alterations, overwritings, interlineations, folds, copy-machine marks not accepted. Fig(s).  
4. **SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:  
— 21.0 cm by 29.7 cm (DIN size A4) or  
— 21.6 cm by 27.9 cm (8 1/2x 11 inches)  
— All drawing sheets not the same size. Sheet(s).  
— Drawings sheets not an acceptable size. Fig(s).  
5. **MARGINS.** 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
— Margins not acceptable. Fig(s).  
— Top (T)      Left (L)  
— Right (R)      Bottom (B)  
6. **VIEWS.** 37 CFR 1.84(h)  
REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.  
— Views not labeled separately or properly. Fig(s).  
7. **SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)  
— Sectional designation should be noted with Arabic or Roman numbers. Fig(s).

**COMMENTS:**

8. **ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)  
— Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s).  
9. **SCALE.** 37 CFR 1.84(k)  
— Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s).  
10. **CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)  
— Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s). 1-16  
11. **SHADING.** 37 CFR 1.84(m)  
— Solid black areas pale. Fig(s).  
— Solid black shading not permitted. Fig(s).  
12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)  
— Numbers and reference characters not plain and legible. Fig(s).  
— Figure legends are poor. Fig(s).  
— Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s).  
— English alphabet not used. 37 CFR 1.84(p)(2) Fig(s).  
— Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s).  
13. **LEAD LINES.** 37 CFR 1.84(q)  
— Lead lines missing. Fig(s).  
14. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)  
— Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s).  
15. **NUMBERING OF VIEWS.** 37 CFR 1.84(u)  
— Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s).  
16. **DESIGN DRAWINGS.** 37 CFR 1.152  
— Surface shading shown not appropriate. Fig(s).  
— Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s).

Reviewer SEN LAM

If you have questions, call (703) 305-8404.

305-0333 (EXT. 133)

Date 03/21/05

Attachment to Paper No. \_\_\_\_\_